Docket No. BXD4961/00102-1

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission

#### TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application Washington, D.C. 20231

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Tran	smitte	d here	ewith for f	filing under 35	u.s	.C. 111(a) an	d 37 C.F.R. 1.53	B(b) is a new utility patent application	on for and		
	CUP	HOL	LDER						22388 U.S		
and	invent	ed by									
	John	O. Ph	illips and	Peggi J. Philli	ps						
If a								the requisite information:			
	Cont	inuat	ion 🗆	Divisional		Continuation	on-in-part (CIP)	of prior application No.:			
Whi	ich is a	<b>1</b> :									
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End	losed	are:									
		u. o.				Applicat	ion Elements				
	1. 🛚	Filir	g fee as	calculated an	d trai	nsmitted as d	escribed below				
:	2. 🛚	Spe	cification	having		13	pages and i	including the following:			
	a.	X	Descrip	tive Title of the	e Inv	ention					
	b.		Cross R	References to	Rela	ted Applicatio	ns (if applicable,	)			
	C.		Statement Regarding Federally-sponsored Research/Development (if applicable)								
	d.		Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix								
	e.	X	Background of the Invention								
	f.	×	Brief Summary of the Invention								
	g.	X	Brief De	escription of th	e Dr	awings (if file	d)				
	h.	X	Detailed	d Description							
	i.	X	Claim(s	) as Classified	d Bel	ow					
	j.	X	Abstrac	t of the Disclo	sure						

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(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission

		Application Elements (Continued)							
3.	$\boxtimes$	Drawing(s) (when necessary as prescribed by 35 USC 113)							
	a.	☐ Formal Number of Sheets							
	b.	☐ Informal Number of Sheets 3							
4.	X	Oath or Declaration							
	a.	☑ Newly executed (original or copy) ☐ Unexecuted							
	b.	☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)							
	C.	☐ With Power of Attorney ☐ Without Power of Attorney							
	d.	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).							
5.		Incorporation By Reference (usable if Box 4b is checked)  The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.							
6.		CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)							
7. 8.		Application Data Sheet (See 37 CFR 1.76)  Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)							
	a.	☐ Computer Readable Form (CFR)							
	b.	☐ Specification Sequence Listing on:							
		i.							
		ii. 🔲 Paper							
	c.	☐ Statement(s) Verifying Identical Paper and Computer Readable Copy							
		Accompanying Application Parts							
9.		Assignment Papers (cover sheet & document(s))							
10.		37 CFR 3.73(B) Statement (when there is an assignee)							
11.		English Translation Document (if applicable)							
12.		Information Disclosure Statement/PTO-1449							
13.		Preliminary Amendment							
14.	X	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)							
16.		☐ Certificate of Mailing							
		☐ First Class ☐ Express Mail (Specify Label No.):							

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Total Pages in this Submission

		Accompanying Application Parts (Continued)
17.	$\boxtimes$	Applicant claims small entity status. See 37 CFR 1.27.
		☐ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted:
18.		Additional Enclosures (please identify below):
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
19.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. BXD4961/00102-1

Total Pages in this Submission

F	ee	Ca	lcu	lation	and	Tı	ransm	ittal
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**CLAIMS AS FILED** 

#### Rate Fee #Filed #Allowed #Extra For \$0.00 - 20 = 0 \$9.00 **Total Claims** 14 \$0.00 Indep. Claims 2 - 3 = 0 \$42.00 \$0.00 Multiple Dependent Claims (check if applicable) \$375.00 **BASIC FEE** \$0.00 OTHER FEE (specify purpose) **TOTAL FILING FEE** \$375.00 A check in the amount of \$375.00 to cover the filing fee is enclosed. The Commissioner is hereby authorized to charge and credit Deposit Account No. 19-4375 as described below. A duplicate copy of this sheet is enclosed. ☐ Charge the amount of as filing fee. ☑ Credit any overpayment. ☑ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Dated: Sept. 8, 2003 Signature

cc:

Peter N. Lalos, Esq. and Kenneth J. Whittington

1615 L Street, NW, Suite 850 Washington, DC 20036-5622 Telephone: 202-785-0100

STEVENS, DAVIS, MILLER & MOSHER, LLP



PTO/SB/17 (1-03)
Approved for use through 04/30/2003. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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## Application Number   Filling Date	TEE TRANSMITTA	L	Complete if Known						
Effective 01/01/2003. Patent fees are subject to annual revision.  Applicant claims small entity status. See 37 CFR 1.27  TOTAL AMOUNT OF PAYMENT  {\$\}\$ \$375.00  METHOD OF PAYMENT (chack all that apply)  METHOD OF PAYMENT (chack all that apply)  Deposit Account  19-4375  Deposit Security  19-4401  19-4401  19-4401  19-4401  19-4401  19-4401  19-4401  19-4401  19-4401  19-4401  19-4401  19-4401  19-4401  19-4401  19-4401  1		_ [	Appli	cation	Numb	er			
Applicant claims small entity status. See 37 CFR 1.27   Examiner Name   Group Art Unit   Authorney Doctet No.   BXD4961/90102-1	TOT FY 2003		Filing	Date					
TOTAL AMOUNT OF PAYMENT   (\$) \$375.00   Group Art Unit	Effective 01/01/2003. Patent fees are subject to annual revisi	on.	First Named Inventor Joh			ntor John C	). Phillips		
METHOD OF PAYMENT (check all texts apply)   FEE CALCULATION (continued)	Applicant claims small entity status. See 37 CFR 1.2	7	Examiner Name						
METHOD OF PAYMENT (check all that apply)   SIZE CALCULATION (continued)			Grou	p Art U	nit				
Check   Credit card   Mone   Other   None   Deposit   Account:   19-4375   19-4375   1052   30   2051   65   Surcharge - late filling fee or oath   1052   50   2052   25   Surcharge - late filling fee or oath   1053   130	TOTAL AMOUNT OF PAYMENT (\$) \$375	5.00	Attor	ney Do	cket N	No. BXD49	961/00102-		
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Deposit   Stevens, Davis, Miller & Mosher   Name   1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet   1053 130 Non - English specification   1055 180 Non - English specification   1055 1800 Non - English specification	Deposit	Code	(\$)	Code			•		ree raid
Stevens, Davis, Miller & Mosher Account The Commissioner is authorized to: (chack all that apply)  Charge fee(s) indicated below Charge fee(s) indicated bel	Number					-	-		
Charge fee(s) indicated below   Credit any overpayments   1804 920   Requesting publication of SIR prior to Examiner action   1805 1,840°	Account Stevens, Davis, Miller & Mosher					sheet		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Charge are yadditional fee(s) during the perdency of this application   1805 1,840*	The Commissioner is authorized to: (check all that apply)	1812	2,520	1812	2,520	For filing a requ	est for ex pa	arte reexamination	
Charge lee(s) indicated below, except for the filing fee to the above-life-initied deposit account.   1805 1,840*   1805 1,840		1804	920*	1804	920*			IR prior to	
1251   110   2251   55   Extension for reply within first month   1252   1410   2251   255   Extension for reply within second month   1252   1410   2251   255   255   Extension for reply within second month   1252   1410   2252   255   255   Extension for reply within second month   1252   1410   2251   255   255   Extension for reply within second month   1252   1410   2251   255   255   Extension for reply within second month   1252   1410   1410		1805	1,840*	1805 1	,840°	Requesting pub		IR after Examiner	
1. BASIC FILING FEE   Large Entity   Small Entity	to the above-identified deposit account.	1251	110	2251	55	Extension for re	ply within fir	st month	
1. Basic Filing Fee	FEE CALCULATION	1252	410	2252					
Tee   Fee	1. BASIC FILING FEE	1253	930						
Code (\$)   Code (\$)   Fee Paid   1401   320   2401   160   Notice of Appeal   1401   320   2402   160   Filing a brief in support of an appeal   1402   320   2402   160   Filing a brief in support of an appeal   1403   280   2403   140   Request for oral hearing   1401   320   2402   160   Filing a brief in support of an appeal   1403   280   2403   140   Request for oral hearing   1401   320   2402   160   Filing a brief in support of an appeal   1403   280   2403   140   Request for oral hearing   1401   1402   1403   280   2403   140   Request for oral hearing   1401   1402   1403   280   2403   140   Request for oral hearing   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1403   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1401   1403   1403   1403   1401   1403   1403   1401   1403	Large Entity Small Entity								
1002   330   2002   165   Design filling   1003   520   2003   260   Plant filing fee   1403   280   2403   140   Request for oral hearing   1451   1,510   Petition to institute a public use proceeding   1451   1,510   Petition to institute a public use proceeding   1451   1,510   Petition to institute a public use proceeding   1451   1,510   Petition to institute a public use proceeding   1452   110   2452   55   Petition to revive - unavoidable   1452   110   2452   55   Petition to revive - unavoidable   1501   1,300   2501   1453   1,300			•					th month	
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1005   160   2005   80   Provisional filing fee   SUBTOTAL (1)   (\$)   \$375.00   1452   110   2452   55   Petition to revive - unavoidable   SUBTOTAL (1)   (\$)   \$375.00   1453   1,300   2453   650   Petition to revive - unintentional   1501   1,300   2501   650   Utility issue fee (or reissue)   1502   470   2502   235   Design issue fee   1503   630   2503   315   Plant issue fee   1503   630   2503   315   Plant issue fee   1503   630   2503   315   Plant issue fee   1600   1807   50   Processing fee under 37 CFR § 1.17(q)   1806   1807   50   Processing fee under 37 CFR § 1.17(q)   1806   1806   1806							-	uso proceeding	
SUBTOTAL (1) \$\begin{array}{c} \subseteq \text{SUBTOTAL (1)} \$\begin{array}{c} \subseteq \text{SUBTOTAL (2)} \$\begin{array}{c} \subseteq \text{SUBTOTAL (2)} \$\begin{array}{c} \subseteq \text{SUBMITTED BY} \end{array}  1453 1,300 2453 650 Petition to revive - unintentional \$\begin{array}{c} \left{1450} \\ 1,300 \\ 2501 \\ 650 \end{array}  1453 1,300 2501 \\ 1453 1,300 2501 \\ 1450 1,300 2501 \\ 1501 1,300 \\ 1502 470 2502 235 \text{Design issue fee} \\ \text{Utility issue fee} \text{Outility issue fee} \\ \text{Utility issue fee} Outility issue fe			•		.,		•		
2. EXTRA CLAIM FEES FOR UTILITY AND   Total Claims   14   -20** =   0   X     =   0.00       Independent   2   -3** =   0   X       Independent   2   -3** =   0   X     =   0.00       Independent   2   -3** =   0   X     =   0.00       Independent   2   -3** =   0   X     =   0.00       Independent   2   -3** =   0   X   =   0.00       Independent   2   -3** =   0   X   =   0.00       Independent   2   -3** =   0   X   =   0.00       Independent   2   -3** =   0   X   =   0.00       Independent   2   -3** =   0.00       In		l							
2. EXTRA CLAIM FEES FOR UTILITY AND    Extra Claims	SUBTOTAL (1) (\$) \$375.00								
Extra Claims below Fee Paid Total Claims									
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Independent   2 - 3** =   0   X   =   0.00   1807   50   1807							Commission	ner	
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1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claims over original patent 1204 84 2204 42 **Reissue independent claims over original patent 1205 18 2205 9 **Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$) \$0.00  **Or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Name  1809 750 2809 375 Filing a submission after final rejection (37 CFR § 1.129(a))  1810 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(b))  1810 750 2801 375 Request for Continued Examination (RCE)  1802 900 1802 900 Request for expedited examination of a design application  Other fee (specify)  *Reduced by Basic Filing Fee Paid  SUBTOTAL (3) (\$)  *Reduced by Basic Filing Fee Paid	Fee Fee Fee Fee Description				40	Recording each	ement cording each patent assignment per		
1201 84 2201 42 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 42 "Reissue independent claims over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$) \$0.00  *Reduced by Basic Filling Fee Paid  SUBTOTAL (3) (\$)  SUBMITTED BY  Name  (37 CFR § 1.129(a))  1810 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(b))  1801 750 2801 375 Request for Continued Examination (RCE)  1802 900 1802 900 Request for expedited examination of a design application  Other fee (specify)  *Reduced by Basic Filling Fee Paid  SUBTOTAL (3) (\$)  *Reduced by Basic Filling Fee Paid		1809	750	2809	375	Filing a submiss	sion after fin		
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over original patent  1205 18 2205 9 "Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$) \$0.00  **or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Name  Name  Name  1802 900 1802 900 Request for expedited examination of a design application  Other fee (specify)  *Reduced by Basic Filing Fee Paid  SUBTOTAL (3) (\$)  Registration No. (Attorney/Agent)  Registration No. (Attorney/Agent)  1802 900 1802 900 Request for expedited examination of a design application  Other fee (specify)  Telephon  202-785-0100	1203 280 2203 140 Multiple dependent claim, if not paid	1810	/50	2010		(37 CFR § 1.1	29(b))		
1205 18 2205 9 "Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) \$0.00 Therefore (specify)  SUBTOTAL (2) (\$) \$0.00 Therefore (specify)  "Or number previously paid, if greater; For Reissues, see above SUBMITTED BY  Name  Peter N. Lalos  Registration No. (Attorney/Agent)  Registration No. (Attorney/Agent)  1802 900 1802 900 Request for expedited examination of a design application  Other fee (specify)  *Reduced by Basic Filling Fee Paid  SUBTOTAL (3) (\$)  Registration No. (Attorney/Agent)  19,789  Telephon  202-785-0100				1				` ,	
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**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)  SUBMITTED BY  Name  Complete (if applicable)  Registration No. (Attorney/Agent)  19,789  Telephon  202-785-0100	SUBTOTAL (2) (8) \$0.00		.500 (	-p					
Name Peter N. Lalos (Registration No. (Attorney/Agent) 19,789 Telephon 202-785-0100		*Re	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)						
Name Peter N. Lalos (Registration No. (Attorney/Agent) 19,789 Telephon 202-785-0100	SUBMITTED BY						Complete (	if applicable)	
Signature Out h h Date Sept. 9, 2003						19,789			
	Signature Willy h. h.	~					Date	Sept. 9, 2	2003

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.